## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17997

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7): B67D 5/52  US CL: 222/137, 145.6, 95, 105, 326, 327, 386, 386.5, 391, 481.5  According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 222/137, 145.6, 95, 105, 326, 327, 386, 386.5, 391, 481.5			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Α	US 5,310,091 A (DUNNING et al) 10 May 1994, see Figures 1-3.		1-10
A	US 4,676,406 A (FRISCHMANN et al) 30 June 1987, see Figure 1.		1-10
A	US 5,249,709 A (DUCKWORTH et al) 05 October 1993, see Figures 2 and 6.		1-10
A	US 6,158,621 A (KELLER) 12 December 2000, see Figures 2A-2B.		1-10
Further documents are listed in the continuation of Box C. See patent family annex.			
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier application or patent published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> </ul>		T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
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Date of the actual completion of the international search  16 September 2003 (16.09.2003)		Date of mailing of the international search report 2003	
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Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Authorized officer  Frederick C. Nicolas  Telephone No. (703)-308-0861	
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